

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX012919\
 Data File : VX007286.D
 Acq On : 29 Jan 2019 14:22
 Operator : JC/SP
 Sample : K1262-01 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jan 30 09:31:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X012519W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Jan 28 10:35:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	77588	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	409354	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	369953	30.00	ug/l	0.00

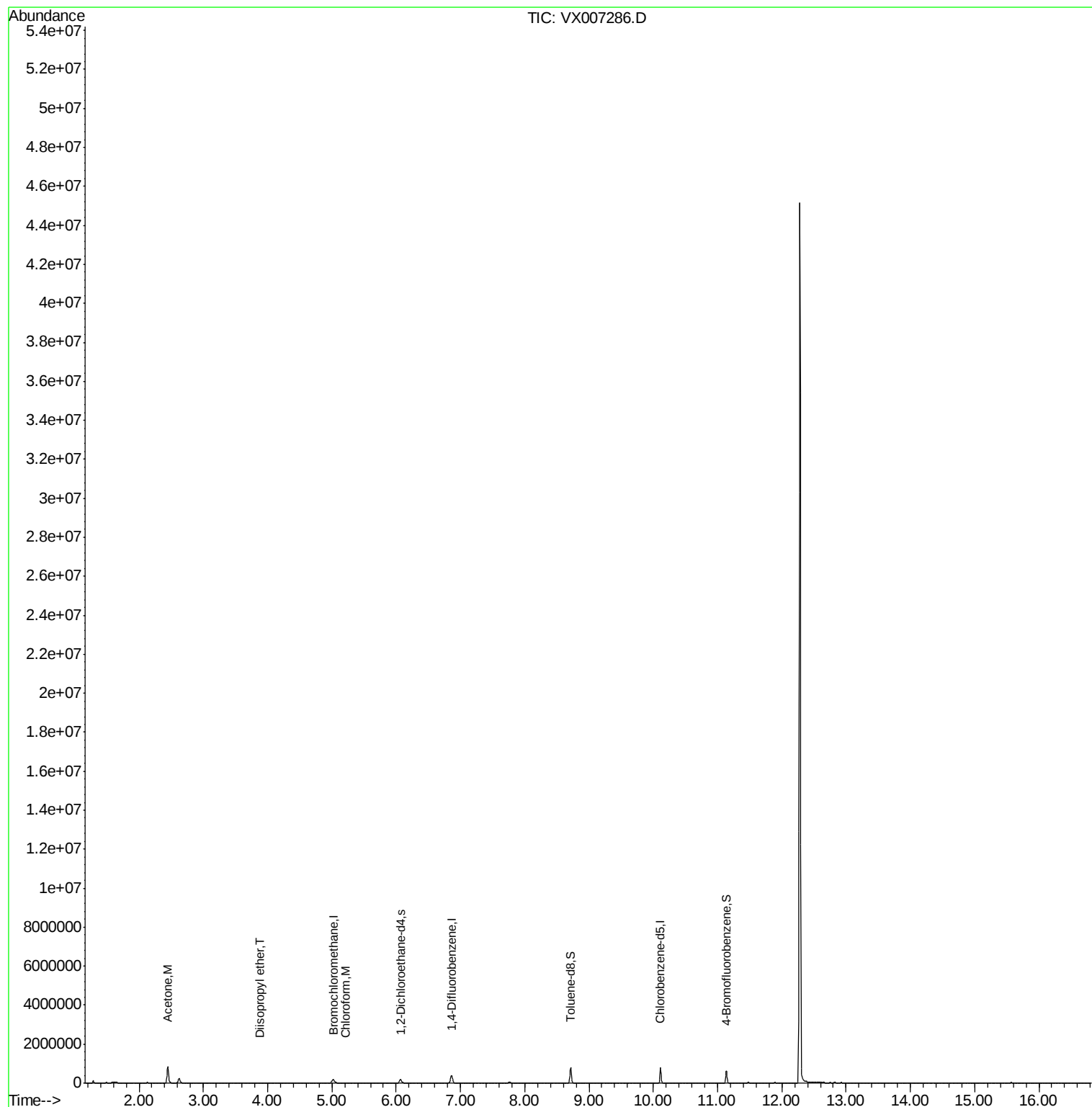
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	6.07	65	158633	31.15	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	103.83%
60) 4-Bromofluorobenzene	11.13	95	165048	28.91	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.37%
63) Toluene-d8	8.71	98	485483	29.11	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	97.03%

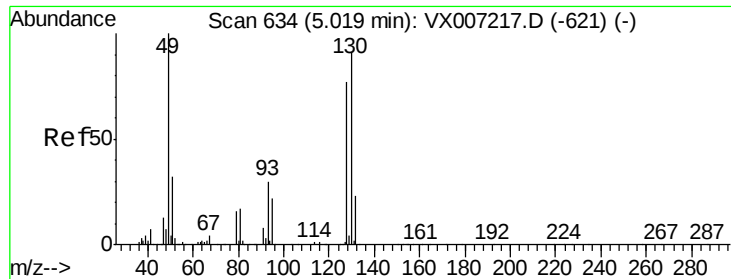
Target Compounds					Ovalue
15) Acetone	2.45	58	270656	372.940 ug/l	95
20) Diisopropyl ether	3.87	45	8464	0.653 ug/l #	85
25) Chloroform	5.21	83	19818	2.590 ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.02 min Scan# 634

Delta R.T. -0.00 min

Lab File: VX007286.D

Acq: 29 Jan 2019 14:22

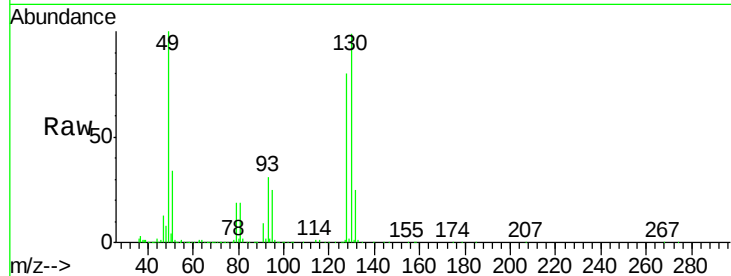
Tot Ion:128 Resp: 77588

Ion Ratio Lower Upper

128 100

49 138.5 0.0 345.5

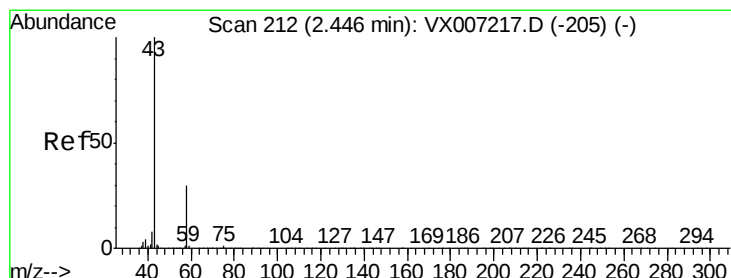
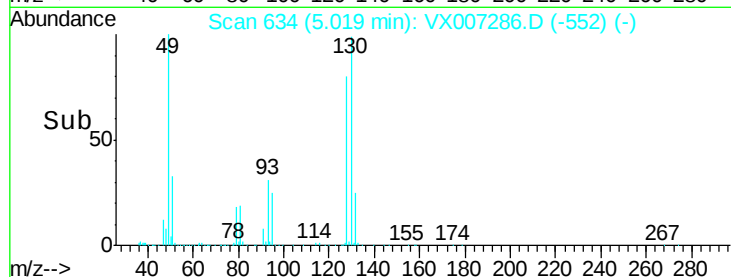
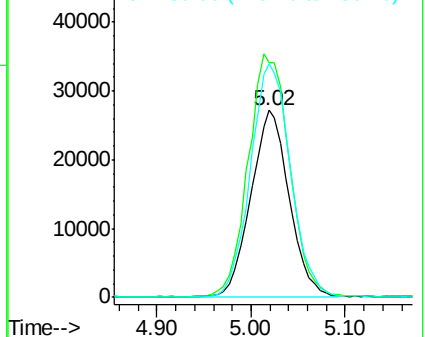
130 131.3 0.0 320.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#15

Acetone

Concen: 372.940 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX007286.D

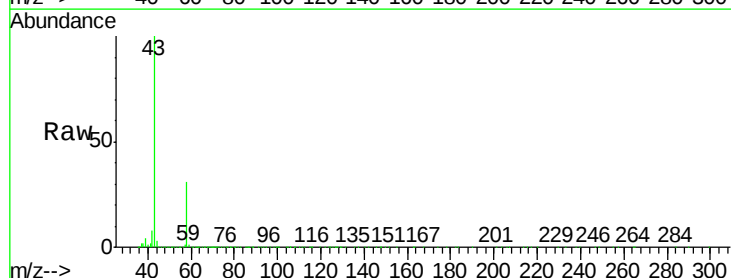
Acq: 29 Jan 2019 14:22

Tgt Ion: 58 Resp: 270656

Ion Ratio Lower Upper

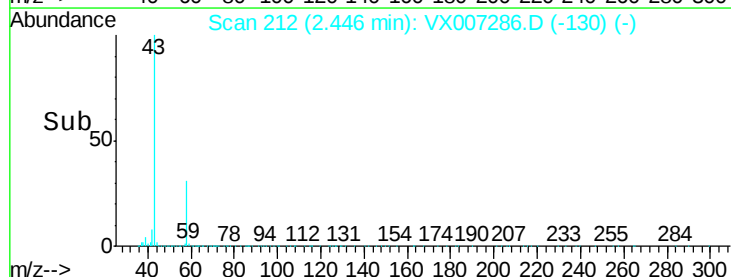
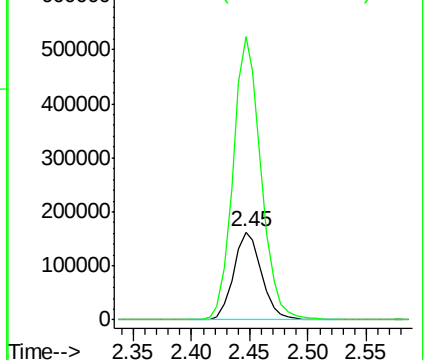
58 100

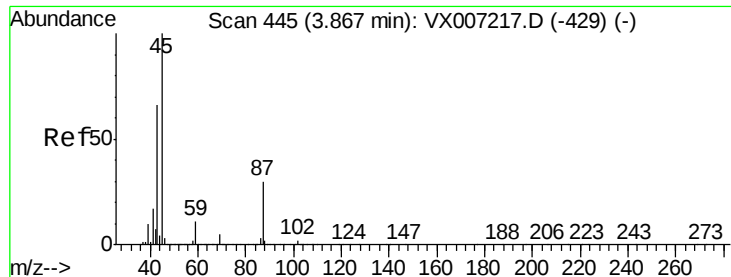
43 322.8 265.9 398.9



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0





#20

Diisopropyl ether

Concen: 0.653 ug/l

RT: 3.87 min Scan# 446

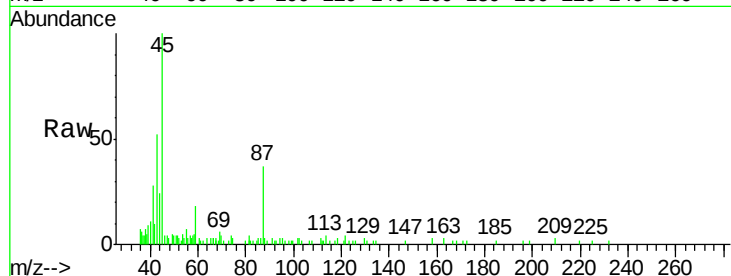
Delta R.T. 0.01 min

Lab File: VX007286.D

Acq: 29 Jan 2019 14:22

Tot Ion: 45 Resp: 8464

Ion	Ratio	Lower	Upper
45	100		
43	51.0	53.1	79.7#
87	34.0	23.7	35.5
59	14.3	9.0	13.4#

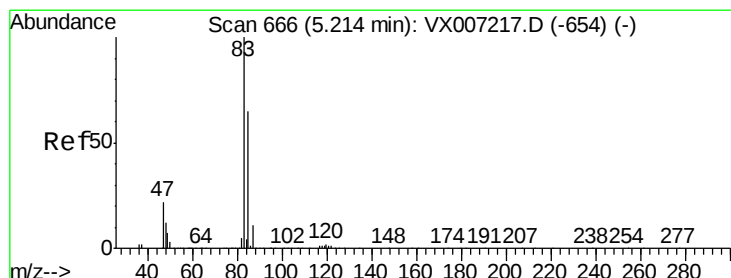
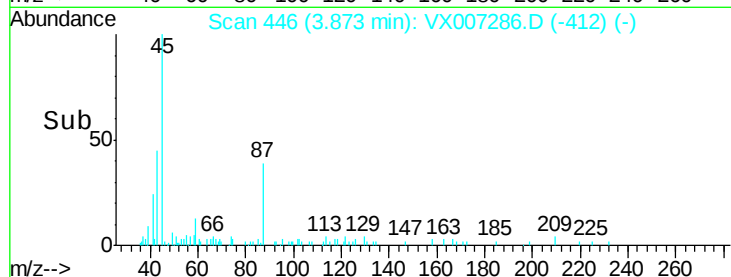
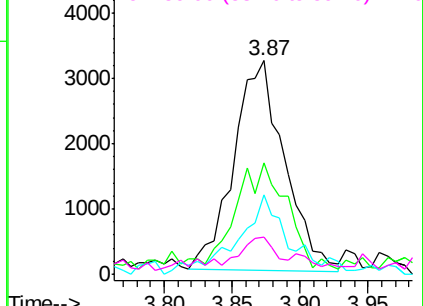


Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0



#25

Chloroform

Concen: 2.590 ug/l

RT: 5.21 min Scan# 666

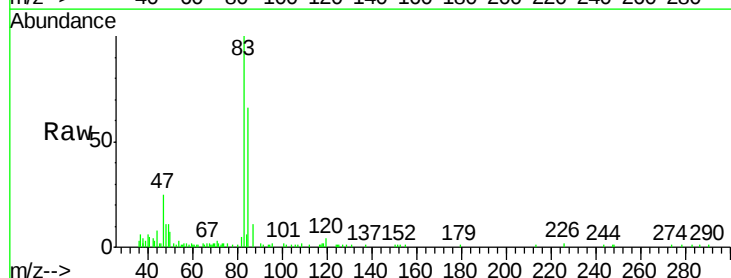
Delta R.T. -0.00 min

Lab File: VX007286.D

Acq: 29 Jan 2019 14:22

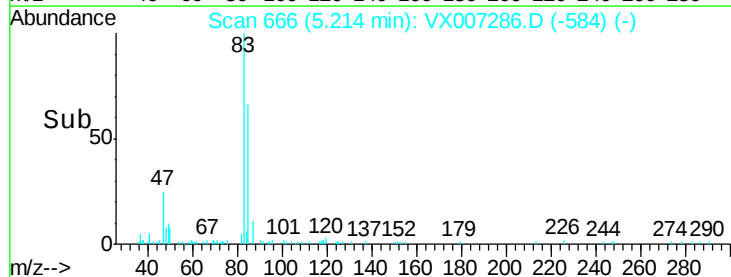
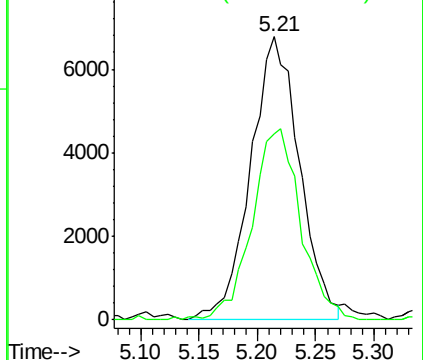
Tgt Ion: 83 Resp: 19818

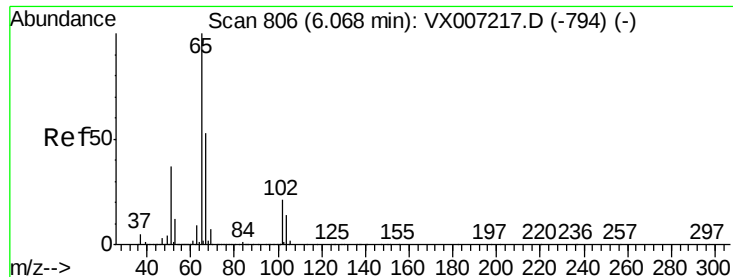
Ion	Ratio	Lower	Upper
83	100		
85	65.1	51.9	77.9



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0





#27

1,2-Dichloroethane-d4

Concen: 31.147 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX007286.D

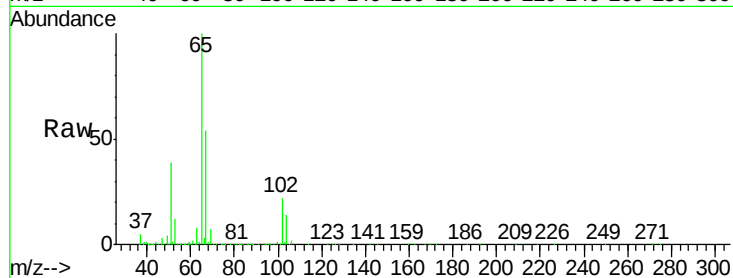
Acq: 29 Jan 2019 14:22

Tot Ion: 65 Resp: 158633

Ion Ratio Lower Upper

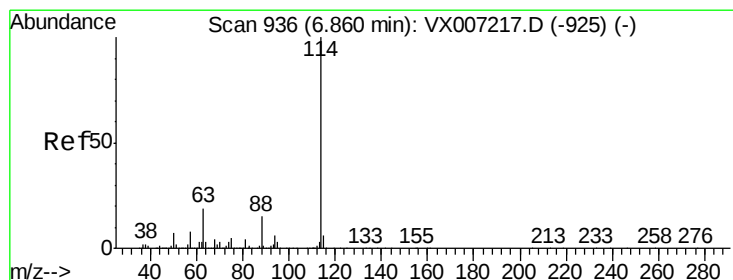
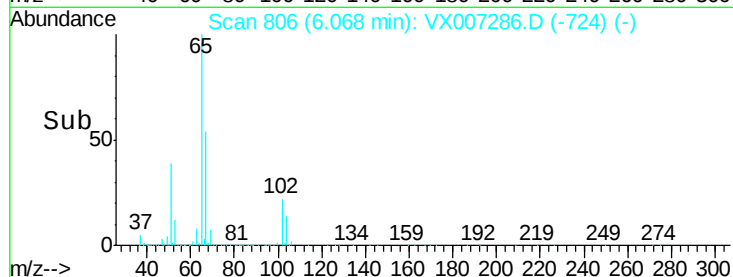
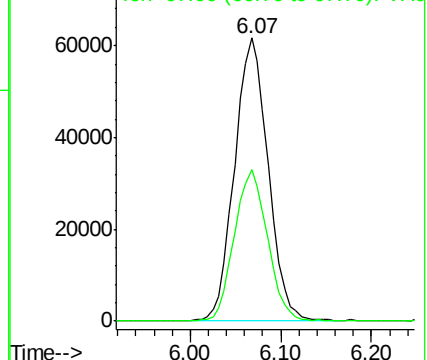
65 100

67 52.8 42.0 63.0



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX007286.D

Acq: 29 Jan 2019 14:22

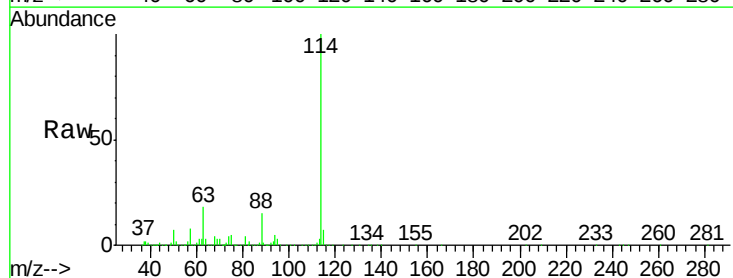
Tgt Ion: 114 Resp: 409354

Ion Ratio Lower Upper

114 100

63 18.2 14.6 21.8

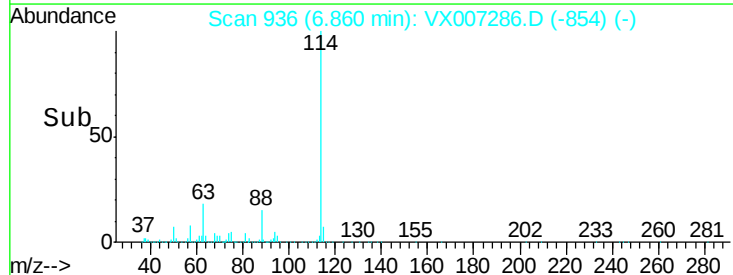
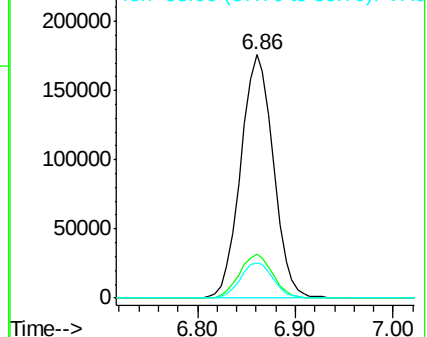
88 14.6 11.8 17.6

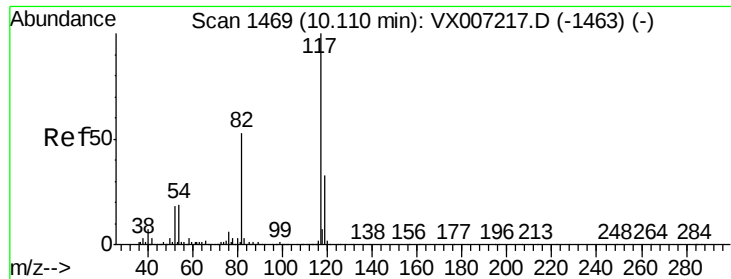


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

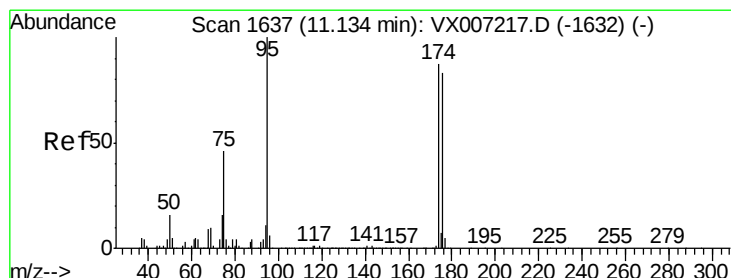
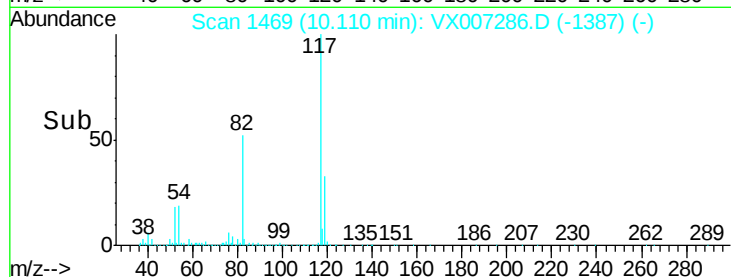
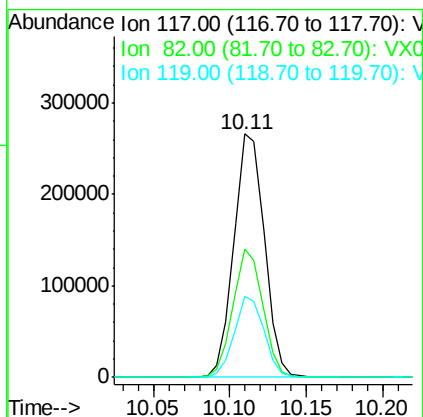
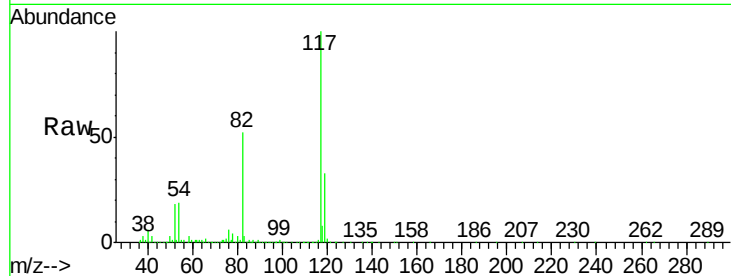
Ion 88.00 (87.70 to 88.70): VX0





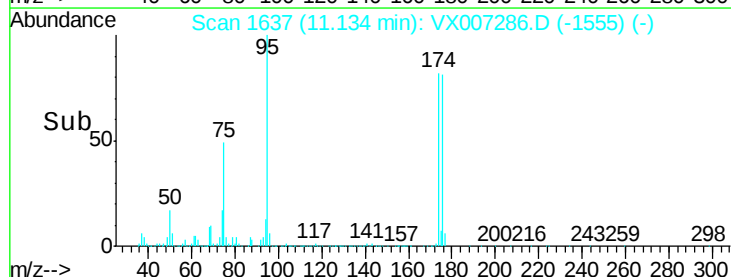
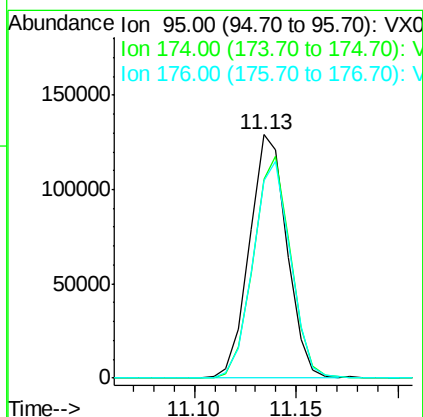
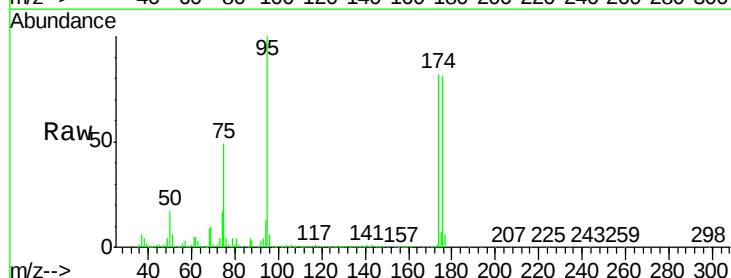
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX007286.D
Acq: 29 Jan 2019 14:22

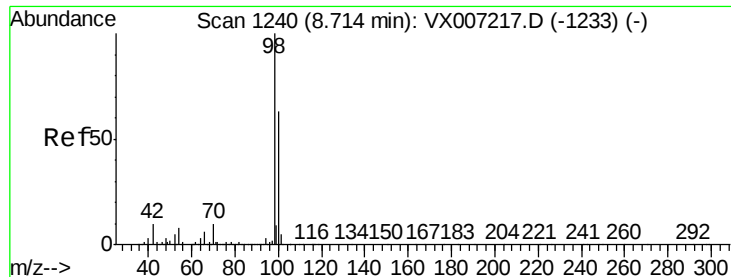
Tot Ion	Ratio	Lower	Upper
117	100		
82	51.1	41.4	62.0
119	32.1	25.7	38.5



#60
4-Bromofluorobenzene
Concen: 28.905 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX007286.D
Acq: 29 Jan 2019 14:22

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.5	74.8	112.2
176	89.3	72.5	108.7





#63

Toluene-d8

Concen: 29.114 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX007286.D

Acq: 29 Jan 2019 14:22

Tot Ion: 98 Resp: 485483

Ion Ratio Lower Upper

98 100

100 63.9 49.9 74.9

